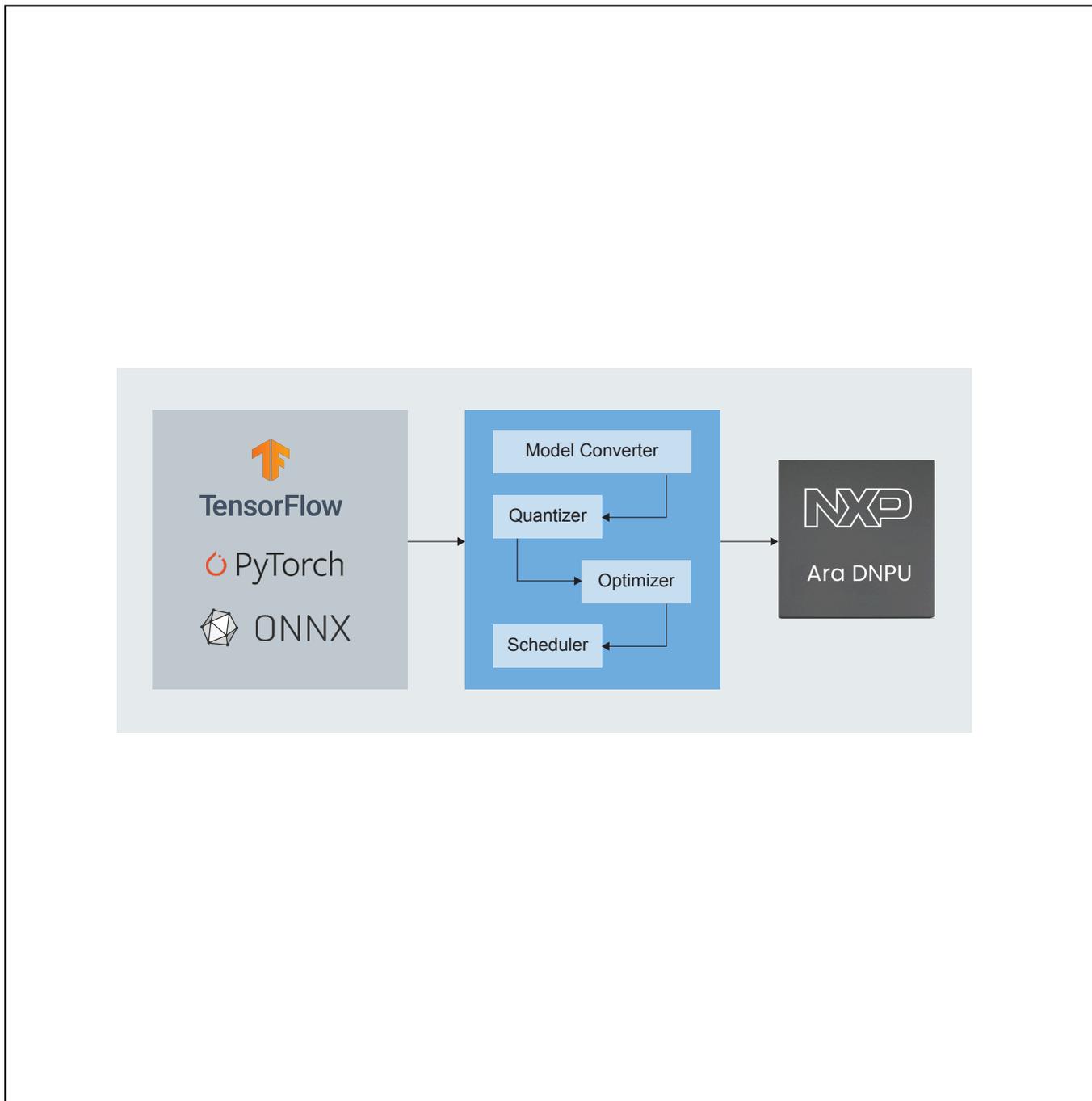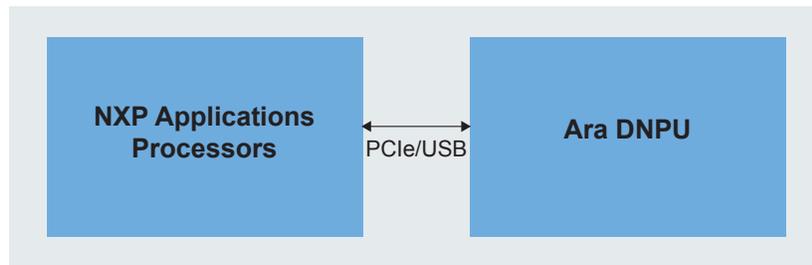# Ara Software Development Kit

ARA-SDK

Last Updated: Feb 4, 2026

The Ara AI-software development kit (SDK) streamlines deployment of AI models onto Ara-1 and Ara-2 discrete neural processing units (DNPUs) and modules. It features an extensible compiler that supports diverse model architectures, including convolutional neural network (CNN), large language models (LLMs) and vision language models (VLMs). The SDK offers efficient dataflow optimization, flexible quantization methods and support for multiple datatypes, ensuring high-performance and low-latency for edge-AI applications.
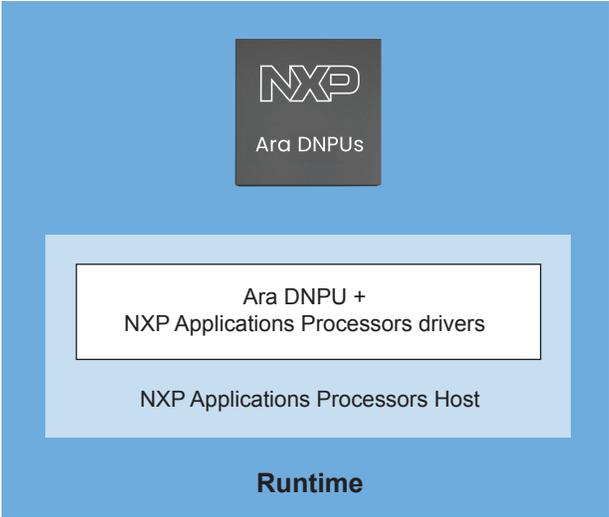
Machine learning deployment flow Block Diagram

NXP Applications Processor and Ara DNPU Connection Block Diagram

Integration of Ara DNPU and Applications Processors Host with Drivers Block Diagram

View additional information for Ara Software Development Kit.